

FIG. 1A

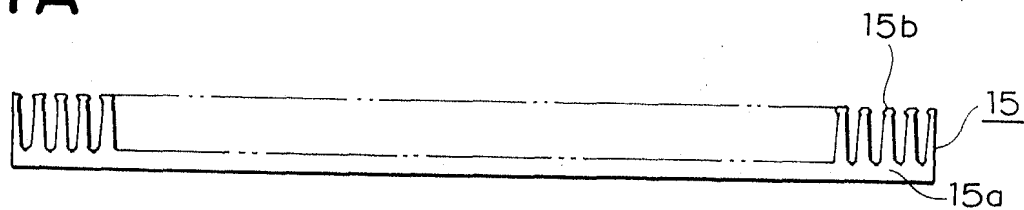


FIG. 1B

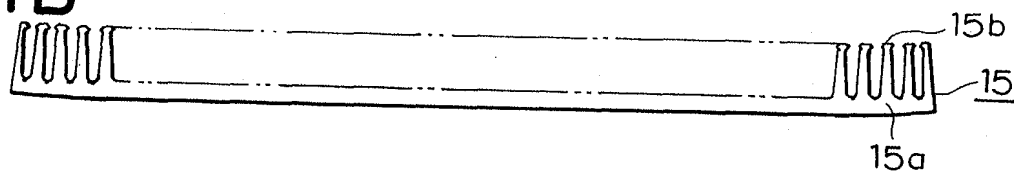
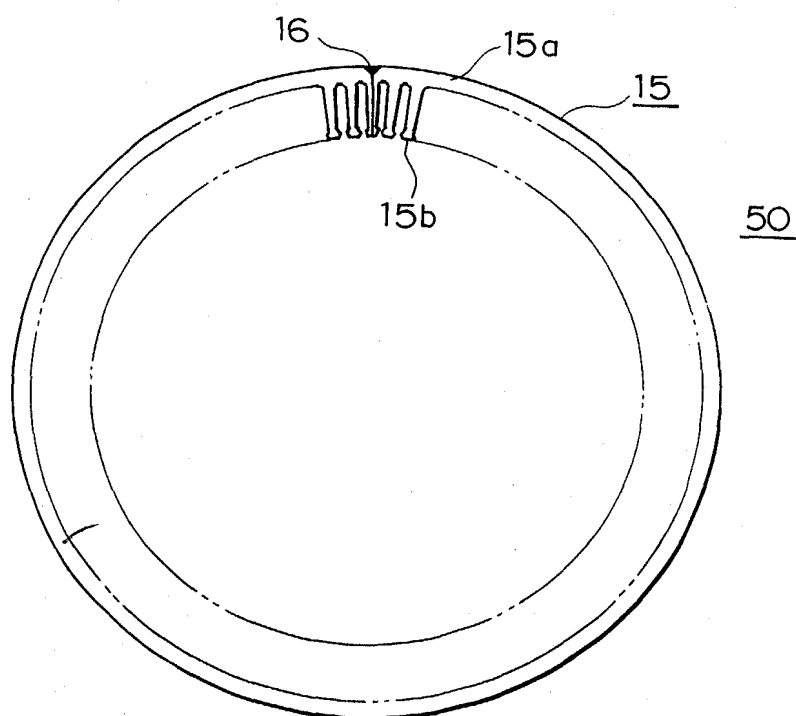
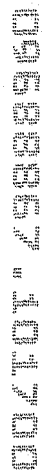


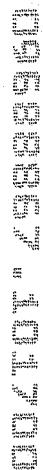
FIG. 1C



| Variable | Mean | Standard Deviation | Minimum | Maximum |
|-------------------------|-------|--------------------|---------|---------|
| Age | 35.2 | 12.5 | 22 | 65 |
| Gender | 0.45 | 0.50 | 0 | 1 |
| Marital Status | 0.65 | 0.48 | 0 | 1 |
| Education | 12.8 | 2.5 | 9 | 16 |
| Income | 45000 | 15000 | 20000 | 80000 |
| Health | 0.75 | 0.42 | 0 | 1 |
| Exercise | 0.35 | 0.48 | 0 | 1 |
| Stress | 0.60 | 0.45 | 0 | 1 |
| Sleep | 0.55 | 0.50 | 0 | 1 |
| Appetite | 0.65 | 0.48 | 0 | 1 |
| Mood | 0.50 | 0.50 | 0 | 1 |
| Energy | 0.45 | 0.50 | 0 | 1 |
| Concentration | 0.55 | 0.48 | 0 | 1 |
| Memory | 0.60 | 0.45 | 0 | 1 |
| Emotion | 0.50 | 0.50 | 0 | 1 |
| Behavior | 0.45 | 0.50 | 0 | 1 |
| Thought | 0.55 | 0.48 | 0 | 1 |
| Feeling | 0.60 | 0.45 | 0 | 1 |
| Perception | 0.50 | 0.50 | 0 | 1 |
| Attention | 0.45 | 0.50 | 0 | 1 |
| Intuition | 0.55 | 0.48 | 0 | 1 |
| Imagination | 0.60 | 0.45 | 0 | 1 |
| Reasoning | 0.50 | 0.50 | 0 | 1 |
| Logic | 0.45 | 0.50 | 0 | 1 |
| Analysis | 0.55 | 0.48 | 0 | 1 |
| Synthesis | 0.60 | 0.45 | 0 | 1 |
| Evaluation | 0.50 | 0.50 | 0 | 1 |
| Comparison | 0.45 | 0.50 | 0 | 1 |
| Classification | 0.55 | 0.48 | 0 | 1 |
| Organization | 0.60 | 0.45 | 0 | 1 |
| Planning | 0.50 | 0.50 | 0 | 1 |
| Problem Solving | 0.45 | 0.50 | 0 | 1 |
| Decision Making | 0.55 | 0.48 | 0 | 1 |
| Communication | 0.60 | 0.45 | 0 | 1 |
| Interpersonal Skills | 0.50 | 0.50 | 0 | 1 |
| Teamwork | 0.45 | 0.50 | 0 | 1 |
| Leadership | 0.55 | 0.48 | 0 | 1 |
| Management | 0.60 | 0.45 | 0 | 1 |
| Organization Skills | 0.50 | 0.50 | 0 | 1 |
| Time Management | 0.45 | 0.50 | 0 | 1 |
| Resource Management | 0.55 | 0.48 | 0 | 1 |
| Project Management | 0.60 | 0.45 | 0 | 1 |
| Quality Management | 0.50 | 0.50 | 0 | 1 |
| Customer Service | 0.45 | 0.50 | 0 | 1 |
| Marketing | 0.55 | 0.48 | 0 | 1 |
| Sales | 0.60 | 0.45 | 0 | 1 |
| Advertising | 0.50 | 0.50 | 0 | 1 |
| Promotion | 0.45 | 0.50 | 0 | 1 |
| Public Relations | 0.55 | 0.48 | 0 | 1 |
| Media Relations | 0.60 | 0.45 | 0 | 1 |
| Community Relations | 0.50 | 0.50 | 0 | 1 |
| Government Relations | 0.45 | 0.50 | 0 | 1 |
| Industry Relations | 0.55 | 0.48 | 0 | 1 |
| Academic Relations | 0.60 | 0.45 | 0 | 1 |
| Professional Relations | 0.50 | 0.50 | 0 | 1 |
| Personal Relations | 0.45 | 0.50 | 0 | 1 |
| Family Relations | 0.55 | 0.48 | 0 | 1 |
| Friendship Relations | 0.60 | 0.45 | 0 | 1 |
| Neighborhood Relations | 0.50 | 0.50 | 0 | 1 |
| Social Relations | 0.45 | 0.50 | 0 | 1 |
| Cultural Relations | 0.55 | 0.48 | 0 | 1 |
| Ethnic Relations | 0.60 | 0.45 | 0 | 1 |
| Religious Relations | 0.50 | 0.50 | 0 | 1 |
| Political Relations | 0.45 | 0.50 | 0 | 1 |
| Economic Relations | 0.55 | 0.48 | 0 | 1 |
| Environmental Relations | 0.60 | 0.45 | 0 | 1 |
| Technological Relations | 0.50 | 0.50 | 0 | 1 |
| Scientific Relations | 0.45 | 0.50 | 0 | 1 |
| Artistic Relations | 0.55 | 0.48 | 0 | 1 |
| Literary Relations | 0.60 | 0.45 | 0 | 1 |
| Media Relations | 0.50 | 0.50 | 0 | 1 |
| Public Relations | 0.45 | 0.50 | 0 | 1 |
| Community Relations | 0.55 | 0.48 | 0 | 1 |
| Government Relations | 0.60 | 0.45 | 0 | 1 |
| Industry Relations | 0.50 | 0.50 | 0 | 1 |
| Academic Relations | 0.45 | 0.50 | 0 | 1 |
| Professional Relations | 0.55 | 0.48 | 0 | 1 |
| Personal Relations | 0.60 | 0.45 | 0 | 1 |
| Family Relations | 0.50 | 0.50 | 0 | 1 |
| Friendship Relations | 0.45 | 0.50 | 0 | 1 |
| Neighborhood Relations | 0.55 | 0.48 | 0 | 1 |
| Social Relations | 0.60 | 0.45 | 0 | 1 |
| Cultural Relations | 0.5 | | | |



| Variable | Mean | Standard Deviation | Minimum | Maximum |
|-------------------------|-------|--------------------|---------|---------|
| Age | 35.2 | 12.5 | 22 | 65 |
| Gender | 0.45 | 0.50 | 0 | 1 |
| Marital Status | 0.65 | 0.48 | 0 | 1 |
| Education | 12.8 | 2.5 | 9 | 16 |
| Income | 45000 | 15000 | 20000 | 80000 |
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| Exercise | 0.35 | 0.48 | 0 | 1 |
| Stress | 0.60 | 0.45 | 0 | 1 |
| Sleep | 0.55 | 0.50 | 0 | 1 |
| Appetite | 0.65 | 0.48 | 0 | 1 |
| Mood | 0.50 | 0.50 | 0 | 1 |
| Energy | 0.45 | 0.50 | 0 | 1 |
| Concentration | 0.55 | 0.48 | 0 | 1 |
| Memory | 0.60 | 0.45 | 0 | 1 |
| Emotion | 0.50 | 0.50 | 0 | 1 |
| Behavior | 0.45 | 0.50 | 0 | 1 |
| Thought | 0.55 | 0.48 | 0 | 1 |
| Feeling | 0.60 | 0.45 | 0 | 1 |
| Perception | 0.50 | 0.50 | 0 | 1 |
| Attention | 0.45 | 0.50 | 0 | 1 |
| Intuition | 0.55 | 0.48 | 0 | 1 |
| Imagination | 0.60 | 0.45 | 0 | 1 |
| Reasoning | 0.50 | 0.50 | 0 | 1 |
| Logic | 0.45 | 0.50 | 0 | 1 |
| Analysis | 0.55 | 0.48 | 0 | 1 |
| Synthesis | 0.60 | 0.45 | 0 | 1 |
| Evaluation | 0.50 | 0.50 | 0 | 1 |
| Comparison | 0.45 | 0.50 | 0 | 1 |
| Classification | 0.55 | 0.48 | 0 | 1 |
| Organization | 0.60 | 0.45 | 0 | 1 |
| Planning | 0.50 | 0.50 | 0 | 1 |
| Problem Solving | 0.45 | 0.50 | 0 | 1 |
| Decision Making | 0.55 | 0.48 | 0 | 1 |
| Communication | 0.60 | 0.45 | 0 | 1 |
| Interpersonal Skills | 0.50 | 0.50 | 0 | 1 |
| Teamwork | 0.45 | 0.50 | 0 | 1 |
| Leadership | 0.55 | 0.48 | 0 | 1 |
| Management | 0.60 | 0.45 | 0 | 1 |
| Organization Skills | 0.50 | 0.50 | 0 | 1 |
| Time Management | 0.45 | 0.50 | 0 | 1 |
| Resource Management | 0.55 | 0.48 | 0 | 1 |
| Project Management | 0.60 | 0.45 | 0 | 1 |
| Quality Management | 0.50 | 0.50 | 0 | 1 |
| Customer Service | 0.45 | 0.50 | 0 | 1 |
| Marketing | 0.55 | 0.48 | 0 | 1 |
| Sales | 0.60 | 0.45 | 0 | 1 |
| Advertising | 0.50 | 0.50 | 0 | 1 |
| Promotion | 0.45 | 0.50 | 0 | 1 |
| Public Relations | 0.55 | 0.48 | 0 | 1 |
| Media Relations | 0.60 | 0.45 | 0 | 1 |
| Community Relations | 0.50 | 0.50 | 0 | 1 |
| Government Relations | 0.45 | 0.50 | 0 | 1 |
| Industry Relations | 0.55 | 0.48 | 0 | 1 |
| Academic Relations | 0.60 | 0.45 | 0 | 1 |
| Professional Relations | 0.50 | 0.50 | 0 | 1 |
| Personal Relations | 0.45 | 0.50 | 0 | 1 |
| Family Relations | 0.55 | 0.48 | 0 | 1 |
| Friendship Relations | 0.60 | 0.45 | 0 | 1 |
| Neighborhood Relations | 0.50 | 0.50 | 0 | 1 |
| Social Relations | 0.45 | 0.50 | 0 | 1 |
| Cultural Relations | 0.55 | 0.48 | 0 | 1 |
| Ethnic Relations | 0.60 | 0.45 | 0 | 1 |
| Religious Relations | 0.50 | 0.50 | 0 | 1 |
| Political Relations | 0.45 | 0.50 | 0 | 1 |
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| Environmental Relations | 0.60 | 0.45 | 0 | 1 |
| Technological Relations | 0.50 | 0.50 | 0 | 1 |
| Scientific Relations | 0.45 | 0.50 | 0 | 1 |
| Artistic Relations | 0.55 | 0.48 | 0 | 1 |
| Literary Relations | 0.60 | 0.45 | 0 | 1 |
| Media Relations | 0.50 | 0.50 | 0 | 1 |
| Public Relations | 0.45 | 0.50 | 0 | 1 |
| Community Relations | 0.55 | 0.48 | 0 | 1 |
| Government Relations | 0.60 | 0.45 | 0 | 1 |
| Industry Relations | 0.50 | 0.50 | 0 | 1 |
| Academic Relations | 0.45 | 0.50 | 0 | 1 |
| Professional Relations | 0.55 | 0.48 | 0 | 1 |
| Personal Relations | 0.60 | 0.45 | 0 | 1 |
| Family Relations | 0.50 | 0.50 | 0 | 1 |
| Friendship Relations | 0.45 | 0.50 | 0 | 1 |
| Neighborhood Relations | 0.55 | 0.48 | 0 | 1 |
| Social Relations | 0.60 | 0.45 | 0 | 1 |
| Cultural Relations | 0.5 | | | |



| Variable | Mean | Standard Deviation | Minimum | Maximum |
|-------------------------|-------|--------------------|---------|---------|
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| Marital Status | 0.65 | 0.48 | 0 | 1 |
| Education | 12.8 | 2.5 | 9 | 16 |
| Income | 45000 | 15000 | 20000 | 80000 |
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| Exercise | 0.35 | 0.48 | 0 | 1 |
| Stress | 0.60 | 0.45 | 0 | 1 |
| Sleep | 0.55 | 0.50 | 0 | 1 |
| Appetite | 0.65 | 0.48 | 0 | 1 |
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| Energy | 0.45 | 0.50 | 0 | 1 |
| Concentration | 0.55 | 0.48 | 0 | 1 |
| Memory | 0.60 | 0.45 | 0 | 1 |
| Emotion | 0.50 | 0.50 | 0 | 1 |
| Behavior | 0.45 | 0.50 | 0 | 1 |
| Thought | 0.55 | 0.48 | 0 | 1 |
| Feeling | 0.60 | 0.45 | 0 | 1 |
| Perception | 0.50 | 0.50 | 0 | 1 |
| Attention | 0.45 | 0.50 | 0 | 1 |
| Intuition | 0.55 | 0.48 | 0 | 1 |
| Imagination | 0.60 | 0.45 | 0 | 1 |
| Reasoning | 0.50 | 0.50 | 0 | 1 |
| Logic | 0.45 | 0.50 | 0 | 1 |
| Analysis | 0.55 | 0.48 | 0 | 1 |
| Synthesis | 0.60 | 0.45 | 0 | 1 |
| Evaluation | 0.50 | 0.50 | 0 | 1 |
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| Problem Solving | 0.45 | 0.50 | 0 | 1 |
| Decision Making | 0.55 | 0.48 | 0 | 1 |
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| Teamwork | 0.45 | 0.50 | 0 | 1 |
| Leadership | 0.55 | 0.48 | 0 | 1 |
| Management | 0.60 | 0.45 | 0 | 1 |
| Organization Skills | 0.50 | 0.50 | 0 | 1 |
| Time Management | 0.45 | 0.50 | 0 | 1 |
| Resource Management | 0.55 | 0.48 | 0 | 1 |
| Project Management | 0.60 | 0.45 | 0 | 1 |
| Quality Management | 0.50 | 0.50 | 0 | 1 |
| Customer Service | 0.45 | 0.50 | 0 | 1 |
| Marketing | 0.55 | 0.48 | 0 | 1 |
| Sales | 0.60 | 0.45 | 0 | 1 |
| Advertising | 0.50 | 0.50 | 0 | 1 |
| Promotion | 0.45 | 0.50 | 0 | 1 |
| Public Relations | 0.55 | 0.48 | 0 | 1 |
| Media Relations | 0.60 | 0.45 | 0 | 1 |
| Community Relations | 0.50 | 0.50 | 0 | 1 |
| Government Relations | 0.45 | 0.50 | 0 | 1 |
| Industry Relations | 0.55 | 0.48 | 0 | 1 |
| Academic Relations | 0.60 | 0.45 | 0 | 1 |
| Professional Relations | 0.50 | 0.50 | 0 | 1 |
| Personal Relations | 0.45 | 0.50 | 0 | 1 |
| Family Relations | 0.55 | 0.48 | 0 | 1 |
| Friendship Relations | 0.60 | 0.45 | 0 | 1 |
| Neighborhood Relations | 0.50 | 0.50 | 0 | 1 |
| Social Relations | 0.45 | 0.50 | 0 | 1 |
| Cultural Relations | 0.55 | 0.48 | 0 | 1 |
| Ethnic Relations | 0.60 | 0.45 | 0 | 1 |
| Religious Relations | 0.50 | 0.50 | 0 | 1 |
| Political Relations | 0.45 | 0.50 | 0 | 1 |
| Economic Relations | 0.55 | 0.48 | 0 | 1 |
| Environmental Relations | 0.60 | 0.45 | 0 | 1 |
| Technological Relations | 0.50 | 0.50 | 0 | 1 |
| Scientific Relations | 0.45 | 0.50 | 0 | 1 |
| Artistic Relations | 0.55 | 0.48 | 0 | 1 |
| Literary Relations | 0.60 | 0.45 | 0 | 1 |
| Media Relations | 0.50 | 0.50 | 0 | 1 |
| Public Relations | 0.45 | 0.50 | 0 | 1 |
| Community Relations | 0.55 | 0.48 | 0 | 1 |
| Government Relations | 0.60 | 0.45 | 0 | 1 |
| Industry Relations | 0.50 | 0.50 | 0 | 1 |
| Academic Relations | 0.45 | 0.50 | 0 | 1 |
| Professional Relations | 0.55 | 0.48 | 0 | 1 |
| Personal Relations | 0.60 | 0.45 | 0 | 1 |
| Family Relations | 0.50 | 0.50 | 0 | 1 |
| Friendship Relations | 0.45 | 0.50 | 0 | 1 |
| Neighborhood Relations | 0.55 | 0.48 | 0 | 1 |
| Social Relations | 0.60 | 0.45 | 0 | 1 |
| Cultural Relations | 0.5 | | | |

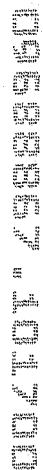
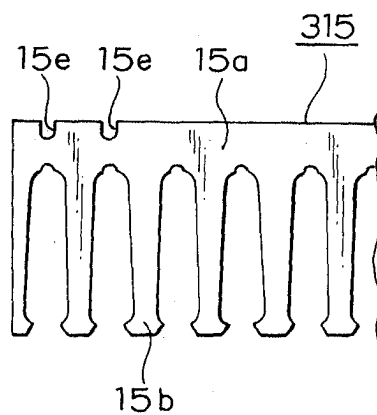


FIG. 4



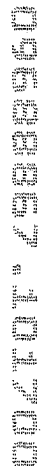
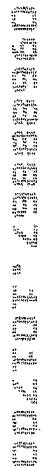
[illegible][illegible]

FIG. 8

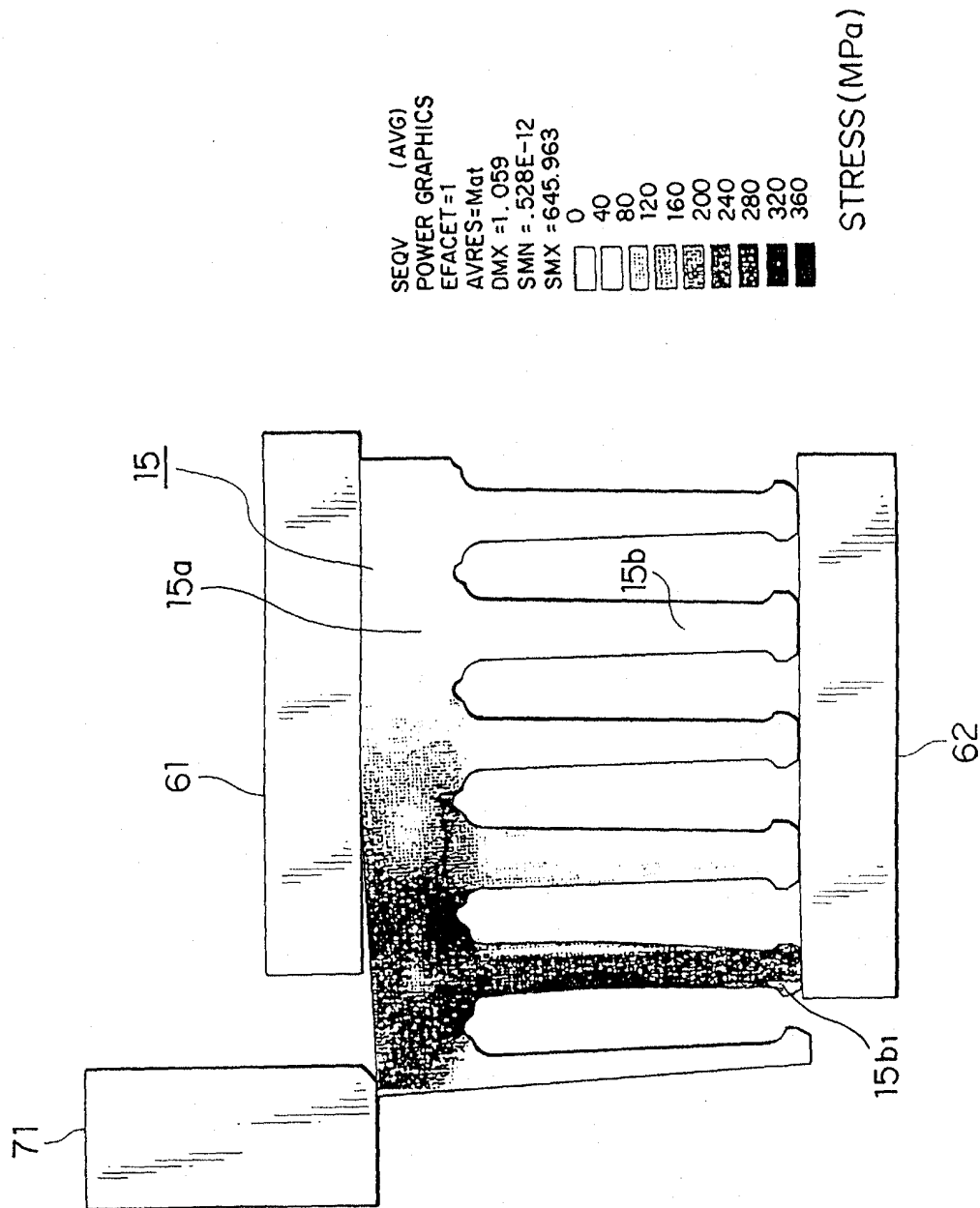


FIG. 9

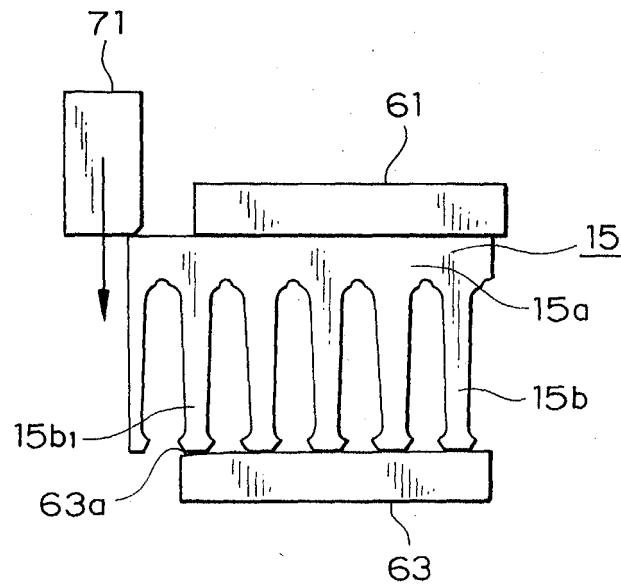


FIG. 10

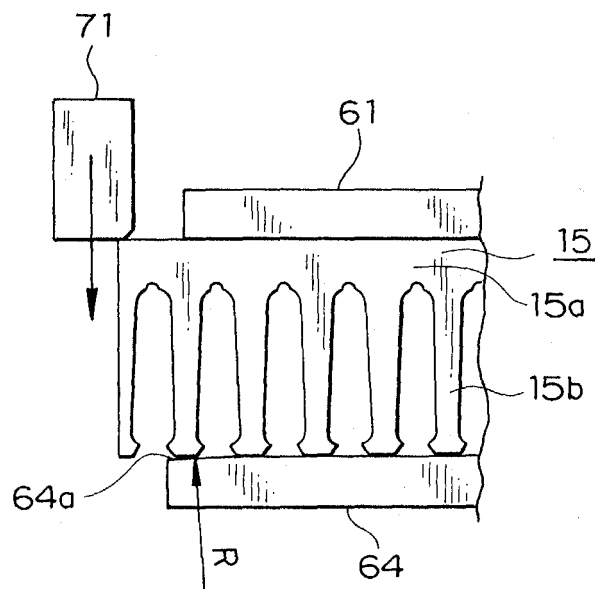


FIG. 11A FIG. 11B

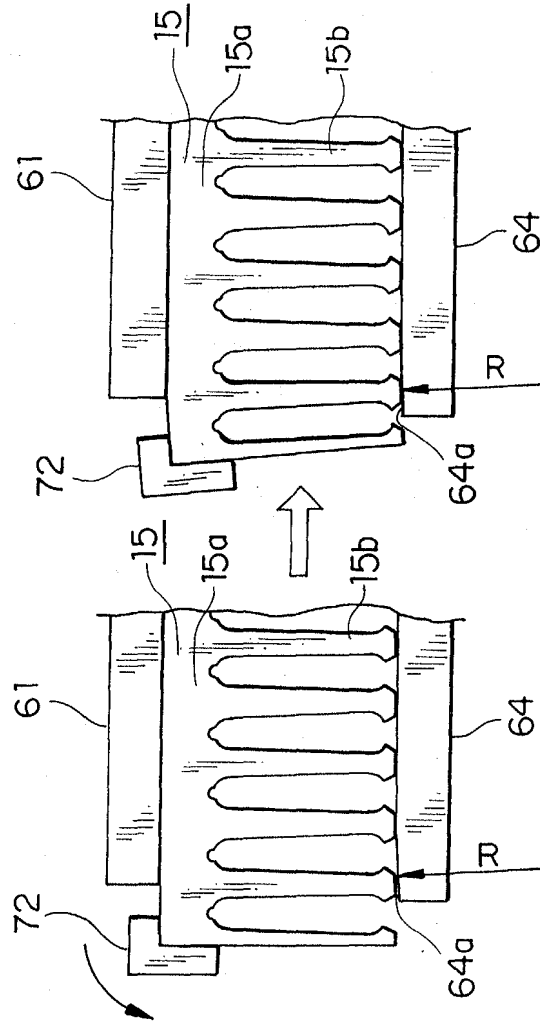
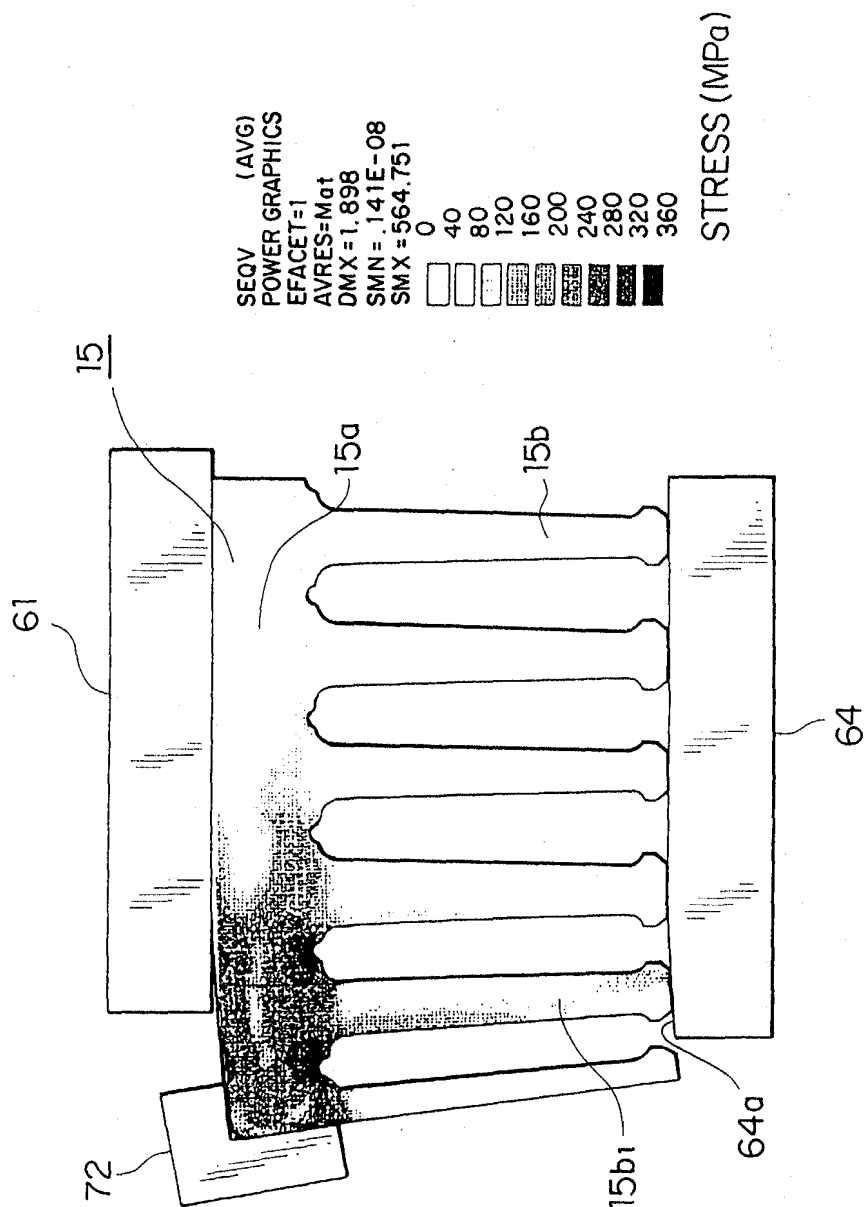


FIG. 12



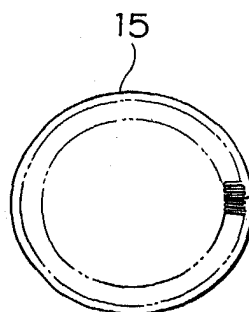
[illegible]

FIG. 14A

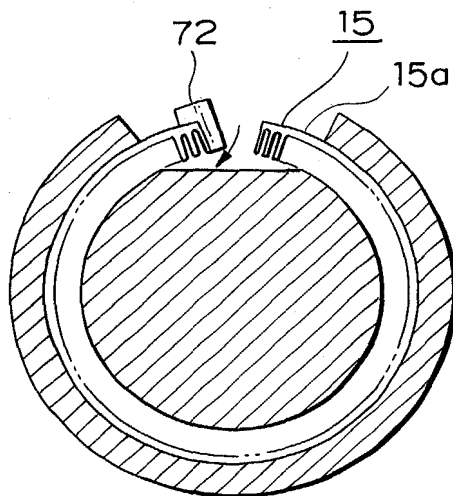


FIG. 14B

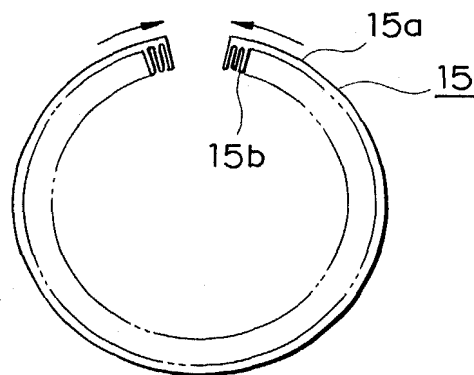
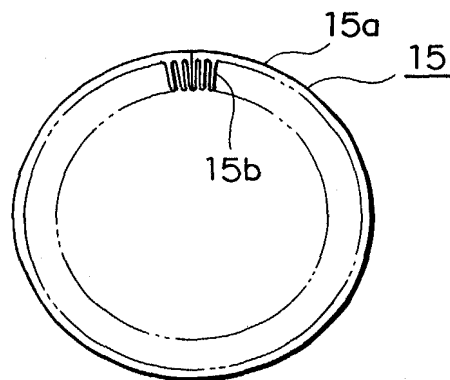


FIG. 14C



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| Physical Properties | | Chemical Properties | |
|-------------------------|----------------|-------------------------|----------------|
| Property | Value | Property | Value |
| Molecular Weight | 100,000 | Boiling Point | 150°C |
| Boiling Point | 150°C | Melting Point | 100°C |
| Melting Point | 100°C | Density | 1.2 g/cm³ |
| Density | 1.2 g/cm³ | Refractive Index | 1.5 |
| Refractive Index | 1.5 | Viscosity | 0.5 cP |
| Viscosity | 0.5 cP | Surface Tension | 30 dyne/cm |
| Surface Tension | 30 dyne/cm | Heat of Vaporization | 10 kJ/mol |
| Heat of Vaporization | 10 kJ/mol | Heat of Fusion | 5 kJ/mol |
| Heat of Fusion | 5 kJ/mol | Specific Heat | 2.5 J/g°C |
| Specific Heat | 2.5 J/g°C | Thermal Conductivity | 0.1 W/mK |
| Thermal Conductivity | 0.1 W/mK | Electrical Conductivity | 10⁻¹⁰ S/m |
| Electrical Conductivity | 10⁻¹⁰ S/m | Magnetic Susceptibility | 10⁻⁵ emu/mol |
| Magnetic Susceptibility | 10⁻⁵ emu/mol | Dielectric Constant | 2.5 |
| Dielectric Constant | 2.5 | Optical Transparency | Transparent |
| Optical Transparency | Transparent | Biocompatibility | Good |
| Biocompatibility | Good | Stability | Stable |
| Stability | Stable | Flammability | Non-flammable |
| Flammability | Non-flammable | Toxicity | Low |
| Toxicity | Low | Environmental Impact | Low |
| Environmental Impact | Low | Recyclability | High |
| Recyclability | High | Biodegradability | Low |
| Biodegradability | Low | Storage Conditions | Room Temp |
| Storage Conditions | Room Temp | Shelf Life | 1 Year |
| Shelf Life | 1 Year | Handling Precautions | None |
| Handling Precautions | None | Disposal Methods | Incineration |
| Disposal Methods | Incineration | Regulatory Compliance | Yes |
| Regulatory Compliance | Yes | Patent Status | Active |
| Patent Status | Active | Commercial Availability | Yes |
| Commercial Availability | Yes | Manufacturer | ABC Corp |
| Manufacturer | ABC Corp | Contact Information | 1234567890 |
| Contact Information | 1234567890 | Website | www.abc.com |
| Website | www.abc.com | Product Code | XYZ-123 |
| Product Code | XYZ-123 | Revision | 1.0 |
| Revision | 1.0 | Document Type | Technical Spec |
| Document Type | Technical Spec | Version | 1.0 |
| Version | 1.0 | Author | John Doe |
| Author | John Doe | Reviewer | Jane Smith |
| Reviewer | Jane Smith | Approval | Approved |
| Approval | Approved | Date | 2023-10-27 |
| Date | 2023-10-27 | Page | 1 of 1 |

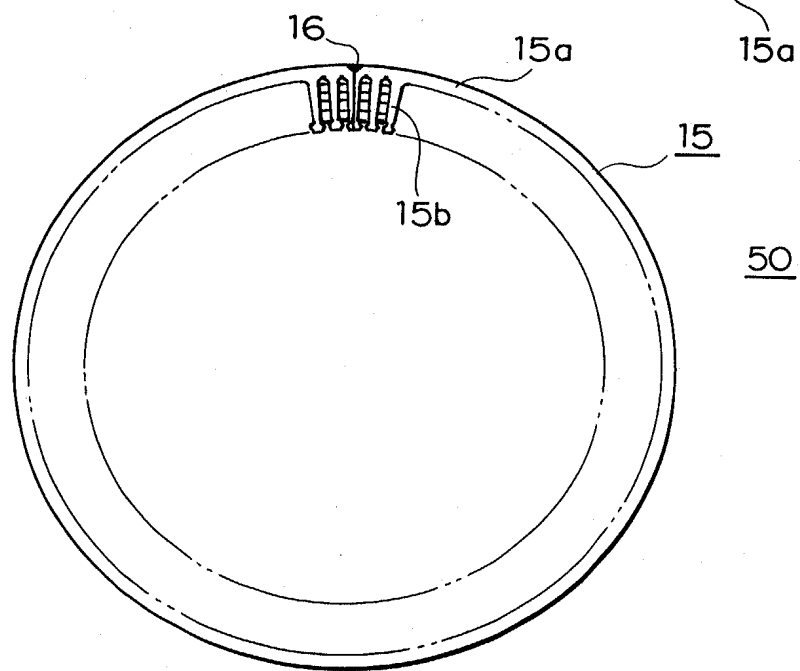


FIG. 16A

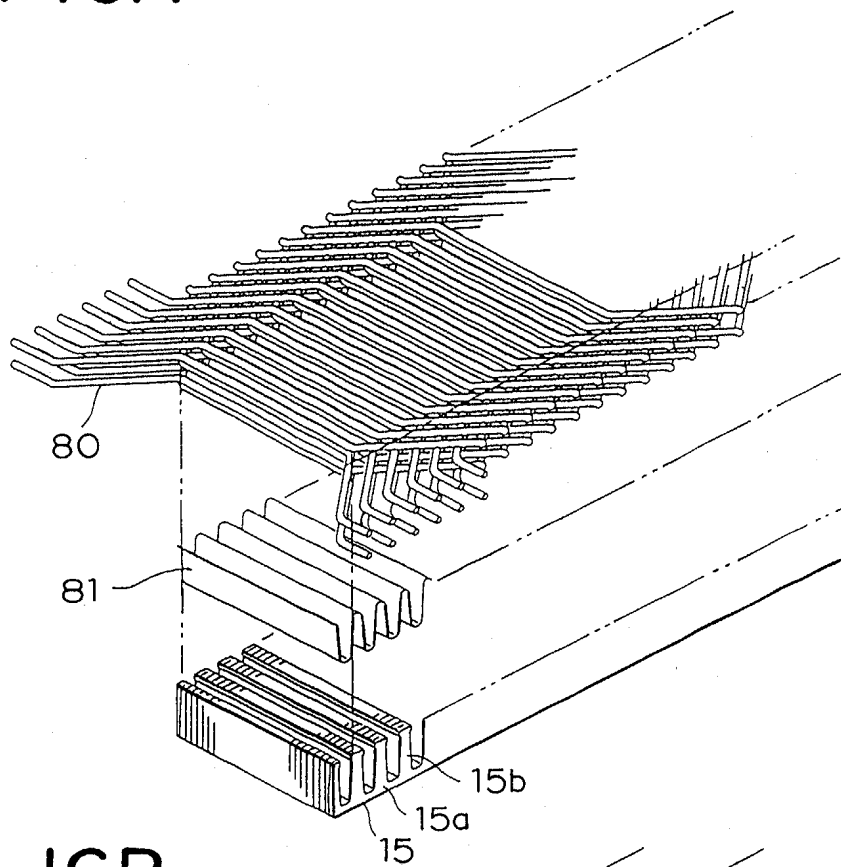
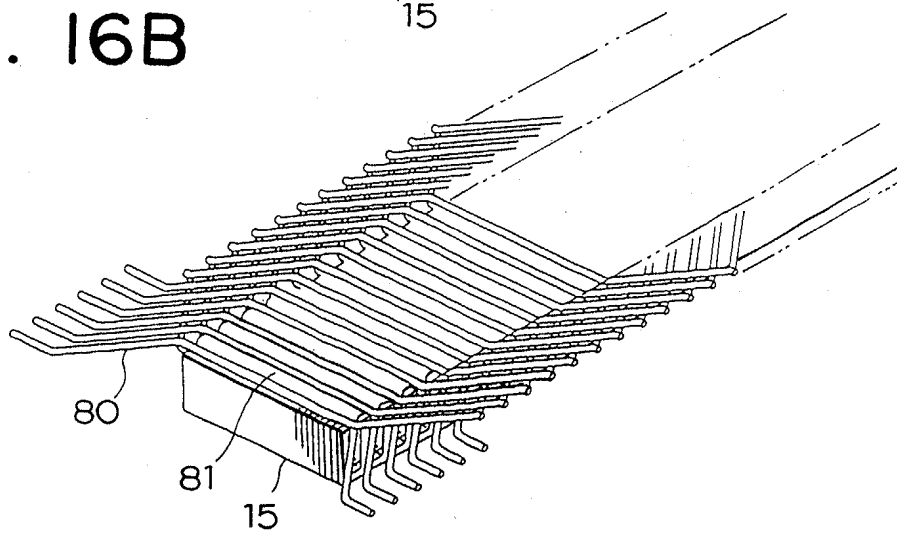


FIG. 16B



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FIG. 17

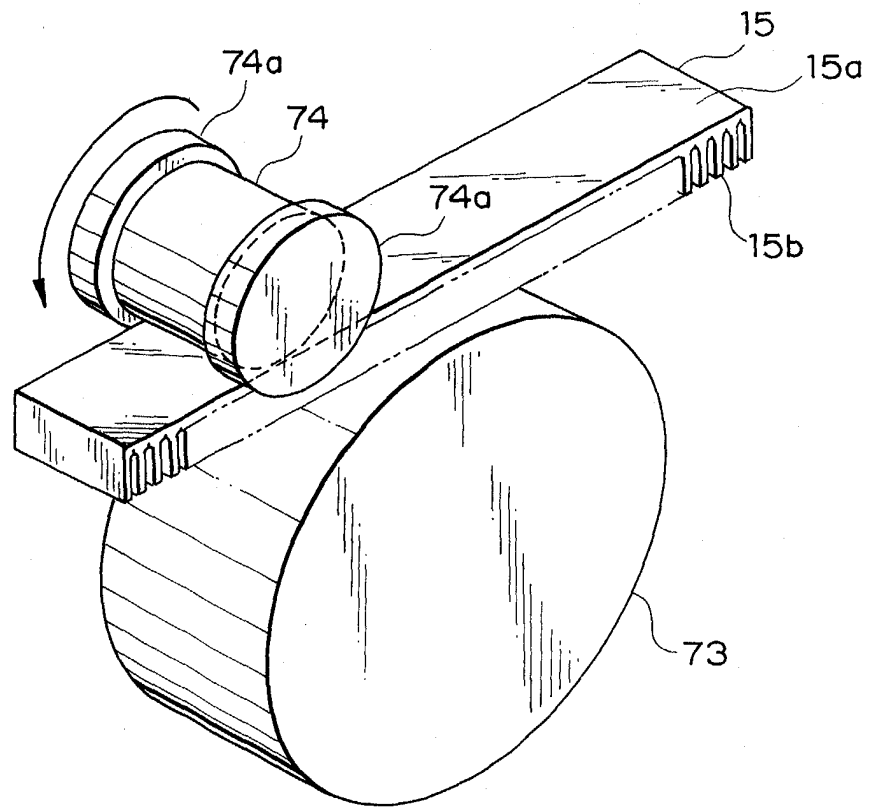


FIG. 18A

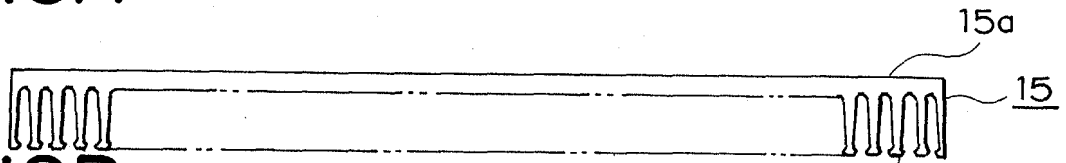


FIG. 18B

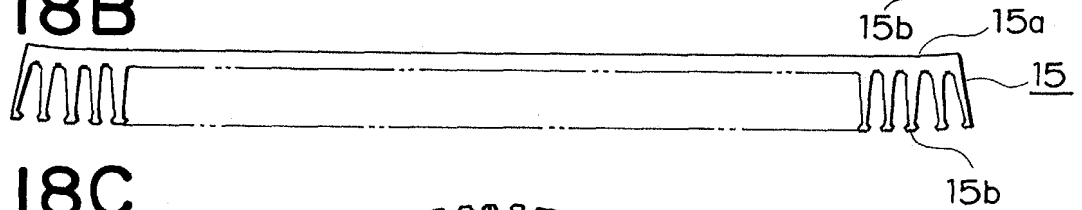


FIG. 18C

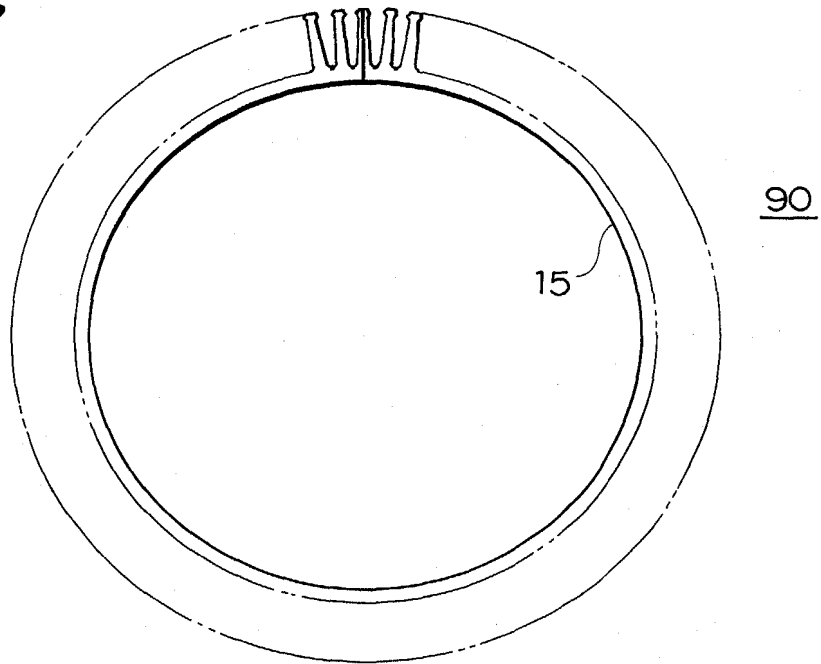
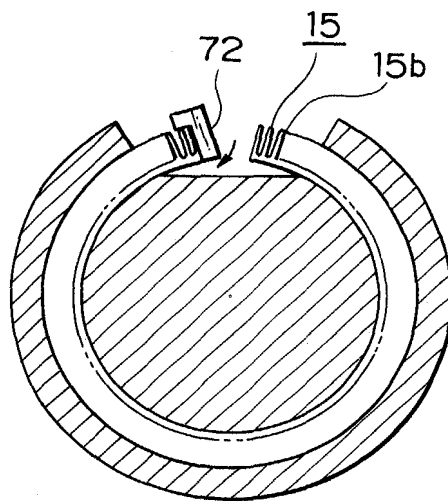
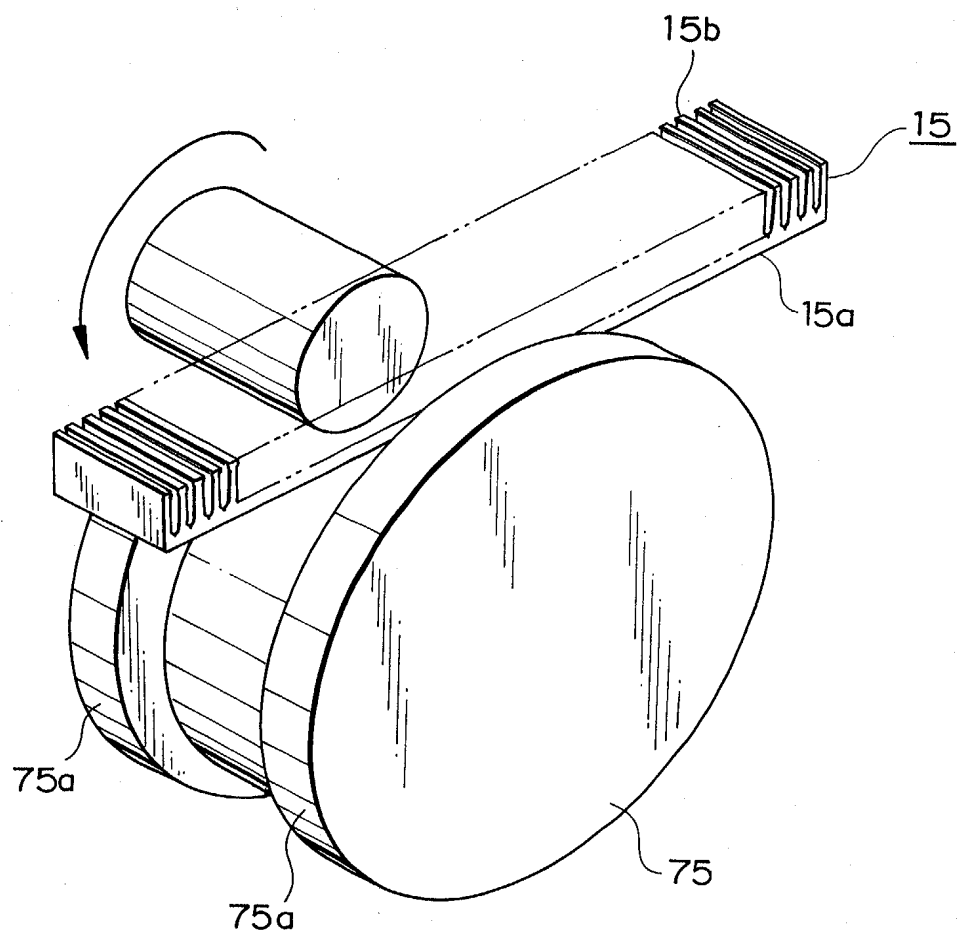


FIG. 19



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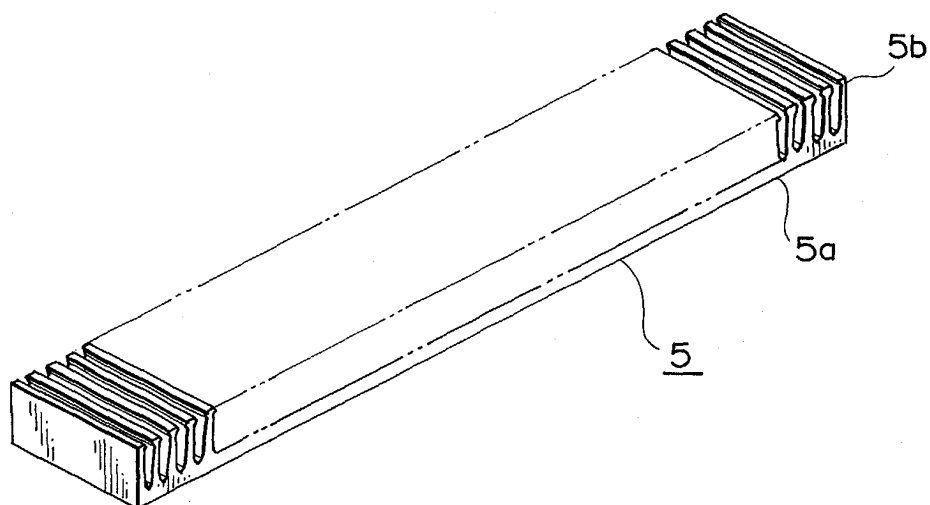
FIG. 20



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FIG. 21

PRIOR ART



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FIG. 22

PRIOR ART

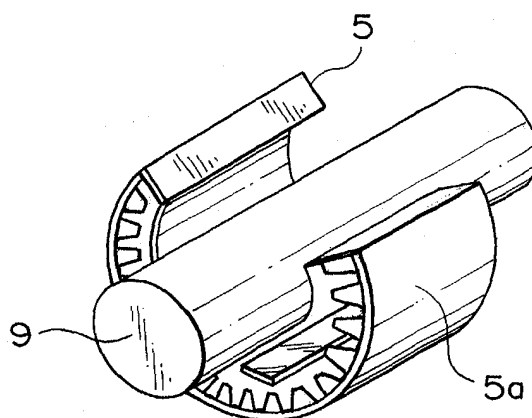
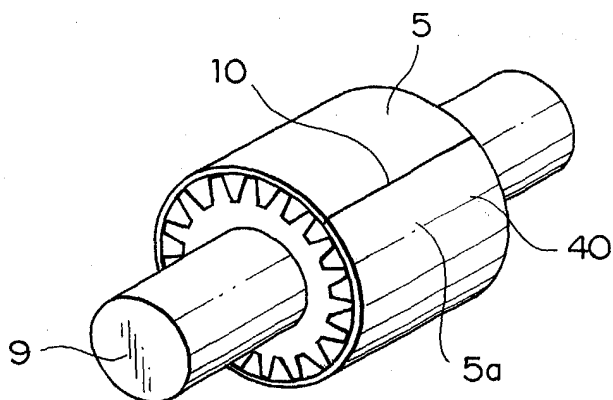


FIG. 23

PRIOR ART



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FIG. 24

PRIOR ART

